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CLAIMS

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What is claimed is:

1. A compressor housing comprising:

a first port opening positioned at a location downstream from a compressor wheel;

a second port opening positioned at a location adjacent to a blade of the compressor wheel; and

a third port opening positioned at a location upstream from the compressor wheel wherein the first port opening and the third port opening define a first flow path and wherein a second flow path extending from the second port opening meets the first flow path at a confluence.

- 2. The compressor housing of claim 1, wherein the first flow path includes a venturi section, wherein the confluence optionally coincides at least in part with the venturi section and wherein the venturi section optionally comprises a cross-sectional area less than a cross-sectional area of a portion of the first flow path located between the venturi section and the first port opening.
- 3. The compressor housing of claim 1, further comprising one or more valves positioned to control flow along one or more of the first flow path and second flow path.

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4. The compressor housing of claim 1, wherein the second flow path forms an angle of greater than 90° with respect to the first flow path at the confluence, wherein 0° corresponds approximately to an intended direction of flow along the first flow path and wherein the angle is measured counter-clockwise from 0° .

5. A port comprising:

a first port opening positioned at a location downstream from a compressor wheel;

a second port opening positioned at a location adjacent to a blade of the compressor wheel; and

a third port opening positioned at a location upstream from the compressor wheel wherein the first port opening and the third port opening define a first flow path and wherein a second flow path extending from the second port opening meets the first flow path at a confluence.

6. The port of claim 5, wherein the first flow path includes a venturi section and wherein the confluence optionally coincides at least in part with the venturi section.

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7. The port of claim 5, further comprising one or more valves positioned to control flow along one or more of the first flow path and second flow path.

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8. A method comprising:

providing a compressor wheel with power from an exhaust turbine; compressing gas using the compressor wheel;

re-circulating a portion of the gas from a location downstream from the compressor wheel, through a venturi, and to a location upstream from the compressor wheel.

- 9. The method of claim 8, further comprising re-circulating an additional portion of the gas from a location downstream to a blade of the compressor wheel to the location upstream from the compressor wheel wherein the portion and the additional portion of the gas optionally meet at a confluence prior to the location upstream from the compressor wheel and optionally further comprising adjusting a valve positioned between the location radially adjacent to the compressor wheel and the confluence to control the re-circulating.
- The method of claim 8, further comprising adjusting a valve positioned between the location downstream from the compressor wheel
 and the location upstream from the compressor wheel to control the recirculating.